

***Payload Technical Documentation
(Tech Doc) System
and the
World Wide Web Interface***

PDMS II Technical Documentation
Subsystem Project Team

August 20 and 21, 1996



Introduction

- ◆ This session covers the Tech Doc web interface features of Searching, Viewing, and Retrieving documents stored in Tech Doc System -- userid and password not required.
- ◆ We will also cover Evaluating documents (voting process) using the Tech Doc Web Interface where userid and password are required

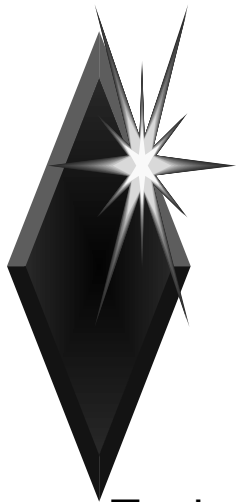


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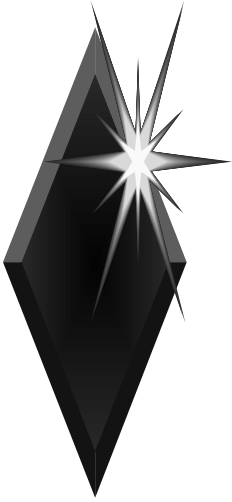
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When to use Tech Doc World Wide Web

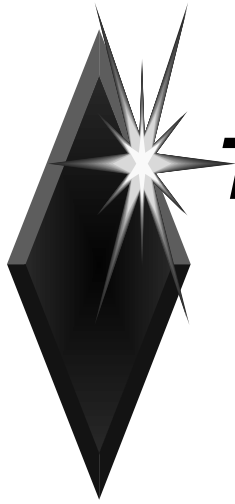
- ◆ **SIMPLE Document Search**
 - ◆ Text
 - ◆ Author
 - ◆ Document number
 - ◆ Title

- ◆ **COMPLEX Document Search**
 - ◆ Provides the capability to perform combined searches
 - ◆ Includes SIMPLE search criteria plus
 - ◆ Document Type
 - ◆ Hazardous
 - ◆ Mission
 - ◆ Payload
 - ◆ Repetitive
 - ◆ Revision
 - ◆ Date

- ◆ **Retrieving documents**
 - ◆ Document format: Microsoft word, Excel, Powerpoint, etc.
 - ◆ Postscript (ps)
 - ◆ Portable Data Format (PDF) requires Acrobat Reader

- ◆ **Evaluating a Document - voting**

- ◆ **Show Document In Review - voting status**



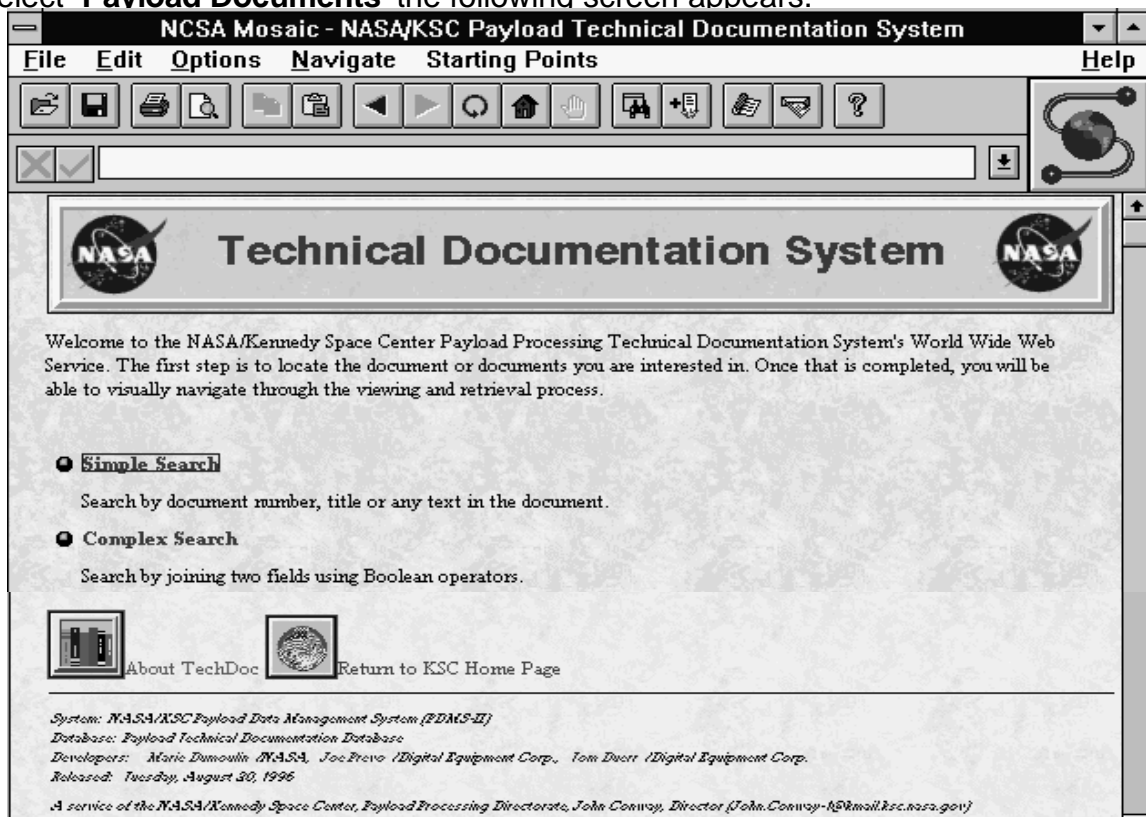
Tech Doc
World Wide Web
Features

SIMPLE SEARCH

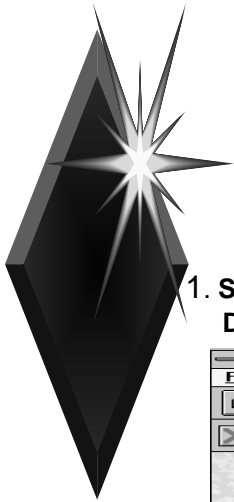


SIMPLE Search

1. Start **Browser** (Mosaic, Netscape, Explorer etc.)
2. From the KSC Home Page scroll to Additional KSC Services
3. Select **Payload Processing Organization**
4. From the Payload Processing page scroll to Payload Data Management Systems (PDMS)
5. Select **Payload Documents** the following screen appears.



6. The URL for accessing Tech Doc Web is: <http://pdms03.ksc.nasa.gov>
7. From this screen you have the option to perform a Simple or Complex search.



SIMPLE Search

1. Simple search: **Search Field** is a pull down box. Search options are **Text**, **Author**, **Document_Number** or **Title**. The option will be highlighted when it is selected.

NCSA Mosaic - Basic Document Text Search

File Edit Options Navigate Starting Points Help

Technical Documentation System

To perform the search, select the search field, enter data into the search text field, adjust the search options if necessary, and press the Search button to submit the request. Pressing the Clear button will reset all of the search criteria.

Search Field: Text

Search Text :

Phrase is Within document Any order

Search Clear

? Help on searching TechDoc Home Page Return to KSC Home Page

System: NASA/KSC Payload Data Management System (PDMS-II)
Database: Payload Technical Documentation Database
Developers: Marie Dumoulin (NASA), Joe Provo (Digital Equipment Corp., Tom Duerr (Digital Equipment Corp.
Released: Tuesday, August 30, 1996
A service of the NASA/Kennedy Space Center, Payload Processing Directorate, John Conway, Director (John.Conway-AS@mail.ksc.nasa.gov)

2. In the Text box enter the search criteria. Press enter or the [Search] button to execute the search.
3. The results of your search will be displayed as below:

NCSA Mosaic - Search Results

File Edit Options Navigate Starting Points Help

New Search TechDoc Home Page

Search Results

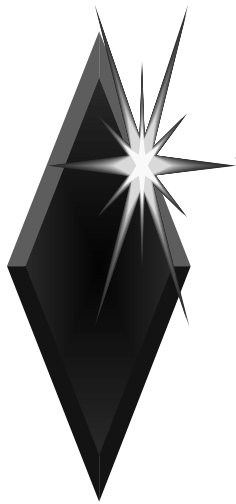
5 Documents Found

Document Number	Document Title
K-CM-04.4-APR-96	PAYLOAD PROJECTS DOCUMENTATION BASELINE INDEX & STATUS REPORT
K-CM-04.4-OCT-95	BASELINE INDEX AND STATUS REPORT
KSC-PDMS-TD-940009	PDMS II TECHNICAL DOCUMENTATION SUBSYSTEM DOCUMENT INDEX
KSC-PDMS-TD-940009	PDMS II TECHNICAL DOCUMENTATION SUBSYSTEM DOCUMENT INDEX
K-CM-04.4	BASELINE INDEX AND STATUS REPORT FOR PAYLOAD PROJECTS

New Search TechDoc Home Page

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4. The number of documents that contain the search criteria is displayed in the header area. If the search criteria is too broad, a message will be displayed : Search request failed # matching document found! Please adjust the search request to match fewer documents. The document number and document title are displayed in weighted order. This means the document with the most hits is displayed first



Help on Searching

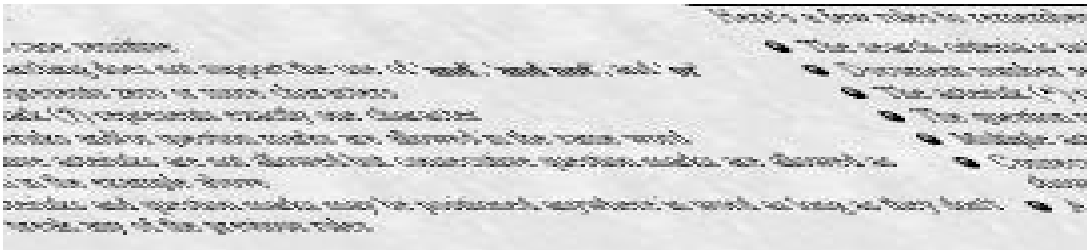
Valid Search / Query Formats

Search Field

Support
Support*
Support and Mission
Support or Mission
"Support Mission"
Support and not Mission
Support Mission
*port
Supp???
Mi??ion

Documents with

The word **Support** in them
Words that start with **Support** in them
The word **Support** and **Mission** in them
The word **Support** or **Mission** in them
The exact phrase **Support Mission** in them
The word **Support** but not **Mission** in them
The word **Support** and **Mission** in them
Words that end with **port** in them
7 letter words that start with **Supp** in them
7 letter words that start with **MI** followed by 2 unknown characters and end with **ion** in them



Inclusive / Phrase Operators

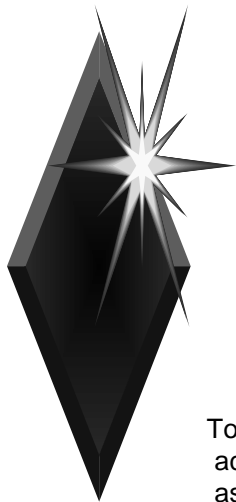
Phrase operators are specially designed for searching textual fields. They can search short or long text fields. To fully understand the functions of the phrase operators you must know the definitions of **stopwords**. **Stopwords** are small, common words that have little to no retrieval value, such as **THE**, **A**, **OF**, and **FOR**.

The table below shows the phrase operators and their functions.

The Operator

Searches for

Phrase is	If you enter a stopword in a phrase for this operator, the system will search for it as well as the keywords. If you enter University of California the system searches for UNIVERSITY and OF and CALIFORNIA in the exact order and position in which they are entered in the command.
Phrase like	If you enter a stopword in a phrase for this operator, the system uses each stopword as a placeholder, which can stand for any word. If you enter University of California the system would search for University and any word and California in the exact order.
Phrase any	If you enter a stopword in a phrase for these operators, the system will ignore it and search for the non-stopwords. If you enter University of California the system searches for University or California but not the stopword OF .



SIMPLE Search

DOCUMENT INFORMATION

To select a document from search results, **CLICK** on the document number. The action will activate the document information screen. The characteristics of the document will be displayed as shown below:

Document Information

Document Number **P7800**

Title LEVEL IV MISSION SEQUENCE TEST

Revision BASIC

Author GILL, TRACY

Date 18-Jan-1996

Document Type TAP

Format WORD FOR WINDOWS

Payload Name LMS

Mission STS-78

Repetitive N

Location ONLINE PRIMARY TD

Hazardous N

Comment

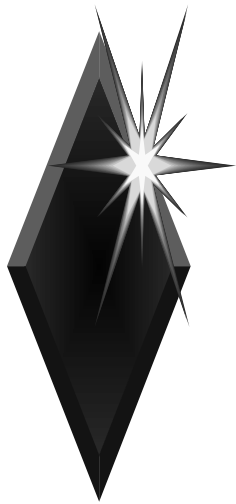
Text Text

[Search_Results](#) [New_Search](#) [TechDoc](#) [Home Page](#)

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At this point you may perform a number of actions such as **view document text**, go to the **document status and retrieval screen**, **go back to search results**; **create a new search**, or **return to home page**.

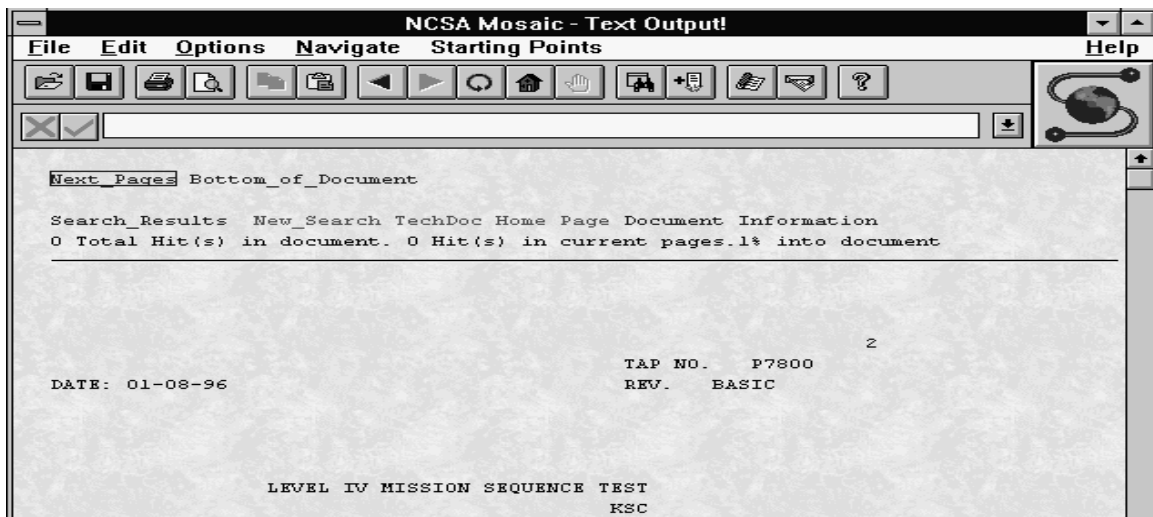
To view the contents of a document **CLICK** on **Document Text** located at the bottom of document information screen.



SIMPLE Search

View Document Text

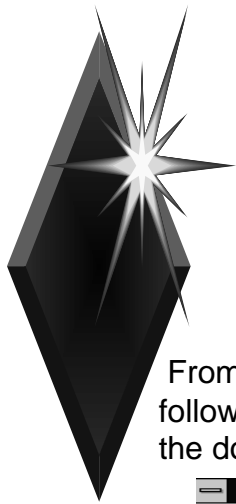
To view the contents of a document **CLICK** on highlighted **Text** located as the last characteristic on the document information screen. The text of the document will be displayed as shown below.



This screen has a series of operations that assist with the navigation through the text. User can use the **Next hit, Next Pages, Bottom of Document** for navigation.

The following information is also displayed on this screen: **total Hit(s) in document, Hit(s) in current pages, and % into document**. A **HIT** is the location in the document that matches the search criteria. This match is highlighted and can be used for navigation.

At the bottom of the text screen the following series of operations can be found: Next, hit, Next Pages, Bottom of Document, Search Results, New Search, Home and Document Information.



SIMPLE Search

DOCUMENT STATUS and RETRIEVAL

From the Document Information screen click on **Document Number** the following **document screen** will be displayed providing the current information for the document selected.

Document Status and Retrieval

Document Number: P7800
Owner: Roberta (Robbi) Collins
Number of Generations: 9
Status: Available
Review Status: Effective
Review Path:
Data Format: Word for Windows

Generation	Revision	Date	Document Files
9	BASIC	18-JAN-1996 08:23	doc, ps, pdf
8		12-JAN-1996 12:02	doc
7		10-JAN-1996 16:19	doc
6		10-JAN-1996 14:46	doc
5		09-JAN-1996 11:47	doc
4		27-NOV-1995 15:10	doc
3		22-NOV-1995 11:02	doc
2		02-OCT-1995 15:52	doc
1		02-OCT-1995 11:45	doc

[TechDoc Home Page](#)

System: NASA/ASFC Payload Data Management System (PDMS-II)
 Database: Payload Technical Documentation Database
 Developers: Marie Dumoulin (NASA), Joe Provo (Digital Equipment Corp.), Tom Duerr (Digital Equipment Corp.)
 Released: Tuesday, August 30, 1996

This command displays information about the document, such as the document number, owner, number of generations (working copy number). It also displays:

Status: Available

Reserved (document is locked by a user for modification)

Review Status: In Review - document is currently in a review cycle

Completed - everyone has evaluated the document and the document is awaiting release.

Effective - the document has been released.

Rejected - the review cycle has been rejected.

Review Path: when document is in review the path will be displayed

Data Format: word for windows, excel etc..

Generation : working copy

Revision: shaded area means work in progress

revision letter or number is released copy

Date: when it coincides with revision letter it is the released date

when it coincides with shaded area it is the creation date

Document Files : doc -- word file

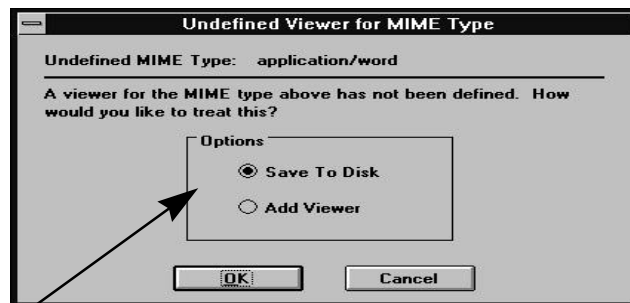
ps -- postscript

pdf -- portable document format

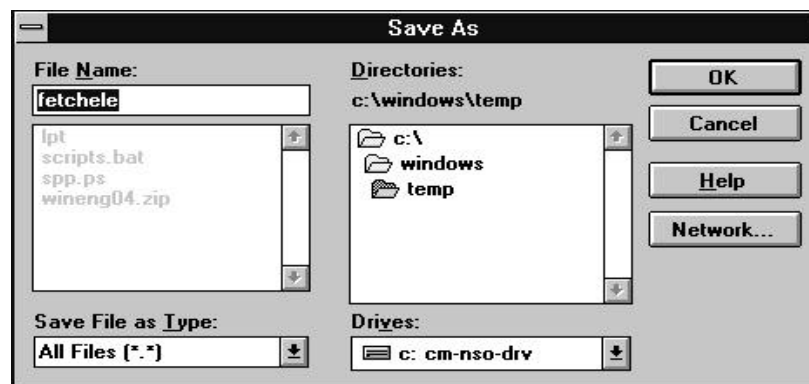


SIMPLE Search

Selecting **doc** file type the following screen will appear asking if you want to save to Disk or View. The screens will not appear if you have previously setup word viewer (see page 8). Instead the system will fetch the document and word will open automatically . After viewing the document close the document and Microsoft word, as this process opens another session of word each time you select doc file. **If not you will receive memory error which will lock your system and you must reboot.** NOTE: **doc** file will not have the released watermark stamp.



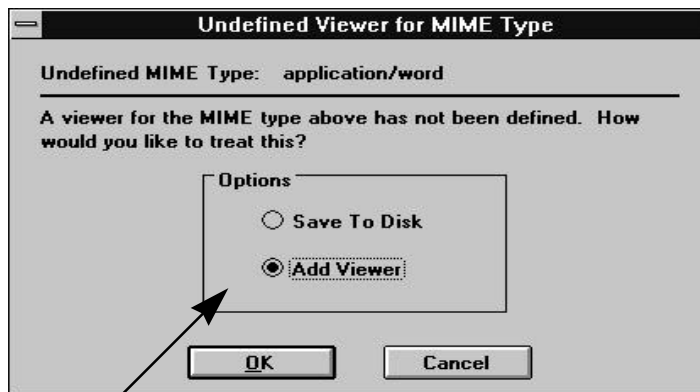
Selecting the option **Save to Disk** the following screen will appear.



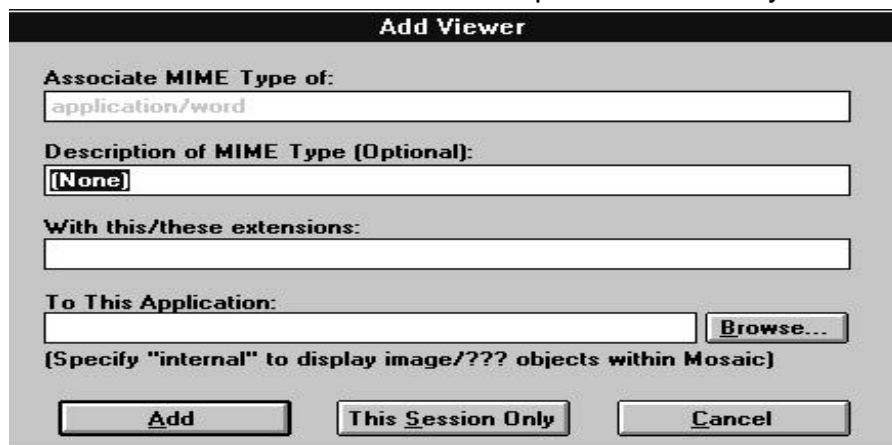
1. File name: type a DOS filename (i.e.. test.doc).This is the filename that is used to retrieve the document in Word for Windows.
2. Select what drive / directory that you want to save your file on.
3. Click on OK



Select **Add Viewer**



When you select **Add Viewer** the following screen will be displayed. Once this is setup the system will fetch the document and word will open automatically.



1. Associate MIME Type of: (enter) **application\word**
2. With this/these extensions: (enter) **doc**
3. To this Application: (enter) **w:\msoffice\winword.exe** or your winword.exe location
4. Select **ADD**



SIMPLE Search

Printing ps (postscript) file

- **ps (postscript)** will have the released watermark stamp on the document. Selecting **ps** the following screen will be displayed.



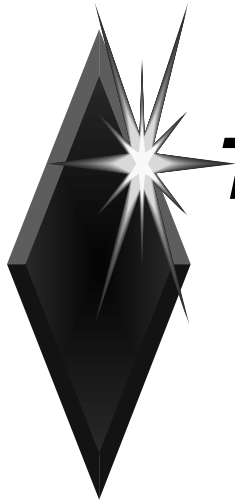
Select **Save to Disk** save the file make sure the extension is **.ps**. Toggle to Desktop and open DOS window.

At C:\windows enter the directory you saved the file to, (i.e., C:\windows\temp> (type) copy(space)filename.ps(space)LPT2 (or whatever your default printer is)press enter.

You may also add a postscript viewer if one is available for your system.

Viewing / Printing PDF

- **pdf (portable document format)** this file type with the aid of Acrobat Reader enables Windows, Macintosh, DOS, and UNIX users to view, navigate through, and print any PDF document with maximum quality. You must have Acrobat Reader in order to view pdf file. The Acrobat Reader comes with the Tech Doc application load. When you select a document with PDF extension, the Acrobat Reader will open and display the file you requested. If you don't have Acrobat Reader you can get your free copy by accessing the World Wide Web, the acrobat URL is: www.adobe.com



Tech Doc
World Wide Web
Features

COMPLEX SEARCH



COMPLEX SEARCH

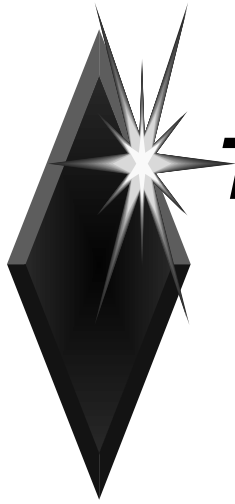
Select Complex Search from the Tech Doc Home page. Following screen is displayed.

Search field is a pull down box with the following options:

- Text -- free form field
- Author -- database table (Dumoulin)
- Document_number: free form field (KSC-PDMS-TD*)
- Document_type: - database table (TPS, TAPS, OMIs, etc..)
- Hazardous -- database table (Yes or No)
- Mission -- free form field (STS-71)
- Payload_name -- free form field
- Repetitive -- database table (Yes or No)
- Revision -- free form field (i.e.. basic or B1, A,)
- Title: free form field

NOTE: keep in mind when performing searches on free form fields the results may not be exact. If you searched by Mission and entered STS-71 the search will list documents where the Mission Field entry was STS-71 but will skip documents if the Mission field has an entry of 71 or STS71. Reason being that this is a free from field and data can be entered in any form by the document Review Leader.

The Advanced search provides the capability to perform combined searches. In Search Field 1 you can select author and in Search Field 2 select doc type. All the other features of this screen are same as the Basic Search Screen.



***Tech Doc
World Wide Web
Features***

Evaluate Document
(Voting)



Evaluate Document (voting)

1. Start Browser and connect to Tech Doc Web URL: <http://pdms03.ksc.nasa.gov>
2. Select Simple Search -- in the Search Field scroll to Document_number, in the Search Text field enter Document Number. Click on [SEARCH]
3. System will display Document Information screen
4. Select Document Number the following screen appears, next to Evaluate field click on [VOTE]

Document Status and Retrieval

Document Number: KSC-PDMS-TD-930021
Owner: Marie Dumoulin
Number of Generations: 9
Status: Available
Review Status: In Review
Evaluate: [Vote](#)
Show Review: All Votes
Review Path: PATH_KSC-PDMS-TD-930021
Data Format: Word for Windows

5. The following evaluation screen will appear with the document number displayed. The reviewer has four ways of voting: Approve - to approve a document. Disapprove - comments, redlines, and modifications to the document need to be made. Waive - to not take part in the review of the document. Cancel - to cancel a previous response so that another vote may be placed.

NASA Technical Documentation System

Select your evaluation and then press the vote button.
Enter your Tech Doc username and password when prompted.
Document : KSC-PDMS-TD-930021

Evaluation:
☐ Approve ☐ Disapprove ☐ Waive ☒ Cancel [Vote](#)

[TechDoc Home Page](#) [Return to KSC Home Page](#)

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A service of the NASA/Kennedy Space Center, Payload Processing Directorate, John Conway, Director (John.Conway@KSC.nasa.gov)

6. Select your evaluation and click on [VOTE].

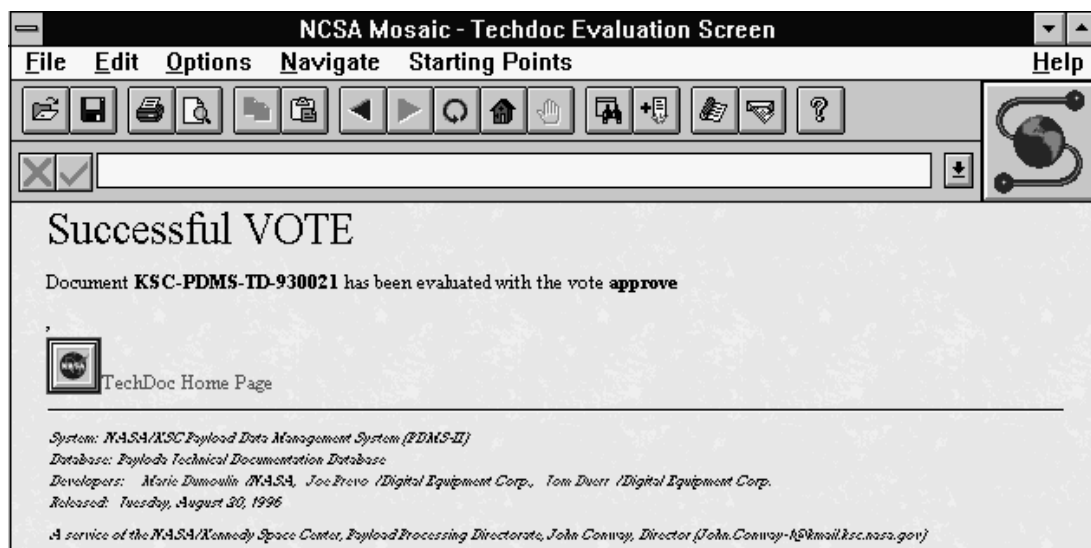


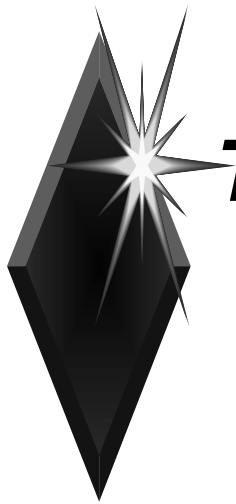
Evaluate Document (voting)

7. Userid and Password screen will be displayed. Enter your userid and password.

A dialog box titled "Protected Document" with a black header bar. It contains two input fields: "Name:" and "Password:". Below the fields are two buttons: "OK" and "Cancel".

8. Click on [OK]
9. Following screen will be displayed with a message identifying the document you voted on and your vote.





Tech Doc
World Wide Web
Features

SHOW REVIEW
(displays votes)



Show Review

From the Document Status and Retrieval screen


NCSA Mosaic - NASA TechDoc Document Status

File Edit Options Navigate Starting Points Help

Document Status and Retrieval

Document Number: KSC-PDMS-TD-930021
Owner: Marie Dumoulin
Number of Generations: 9
Status: Available
Review Status: In Review
Evaluate: [Vote](#)
Show Review: All Votes
Review Path: PATH_KSC-PDMS-TD-930021
Data Format: Word for Windows

Generation	Revision	Date	Document Files
9		19-JUN-1996 14:29	doc
8	E	09-MAR-1995 13:10	doc , ps , pdf
7	D	30-JAN-1995 12:46	doc , ps , pdf
6	C	10-JAN-1995 12:55	doc , ps , pdf
5		20-DEC-1994 17:33	doc
4	B	21-OCT-1994 11:09	doc , ps , pdf
3	A	18-APR-1994 14:50	doc , ps , pdf
2	BASIC	29-SEP-1993 15:58	doc , ps , pdf
1		10-SEP-1993 09:54	doc

 TechDoc Home Page


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The Show Review command will display the votes of the current document.

Next to the Show Review field click on [All Votes]



Show Review

◆ Once All Votes is selected the following screen is displayed. This screen displays the members of the review team with their votes. If you have voted prior to displaying this screen select refresh button  on the tool bar for your vote to be displayed.

NCSA Mosaic - TechDoc Show Review Information

File Edit Options Navigate Starting Points Help

Element: KSC-PDMS-TD-930021
Generation: 9

Review Status: IN_REVIEW
Revision Name: F
Review Path: PATH_KSC-PDMS-TD-930021
Review Leader: DUMOULIM

Start of Review: 19-JUN-1996 14:34
Completion Date: 19-JUL-1996 14:34
Effective Date: NONE

Review Event: STANDARD REVIEW
Type of Review: NOT AUTOMATIC

Current Level: 1 Start Level: 1 End Level: 1

Level: 1
Answer: NO ANSWER Status: CURRENT
Team:
Answer: NO ANSWER Status: CURRENT

Team: TEAM_KSC-PDMS-TD-930021_1_1
Answer: NO ANSWER Status: NONE

Member: DUMOULIM
Answer: NO ANSWER

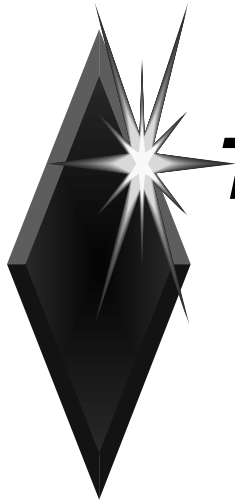
Member: DUERRT
Answer: NO ANSWER

Member: CORBIN
Answer: APPROVE

Member: PAQUETT
Answer: APPROVE

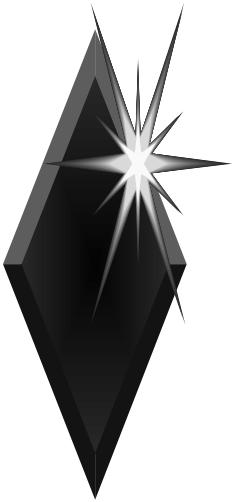
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Released: Tuesday, August 30, 1996

A service of the NASA/Kennedy Space Center, Payload Processing Directorate, John Conway, Director (John.Conway-1@kmail.ksc.nasa.gov)



Tech Doc World Wide Web Features

**Create a web page
using the callable interface
to access Tech Doc**



Commands that can be added to your Home page for direct access to Tech Doc Web

Keep in mind that with these commands you are hardcoding the document number, revision or generation. If you do not specify Revision/Generation the system will display latest revision/generation.

◆ **GETSEARCHTEXT** (all caps) command: will automatically open the latest text released version of document requested.

"http://pdms03.ksc.nasa.gov:	1381	/	GETSEARCHTEXT?	field=document_number&text = L05051"
URL	Port		Qualifier ??	Parameter
	EDCS, BASIS		case sensitive	not case sensitive

◆ **GETSEARCHFULL** (all caps) command: displays the document attribute screen for document requested.

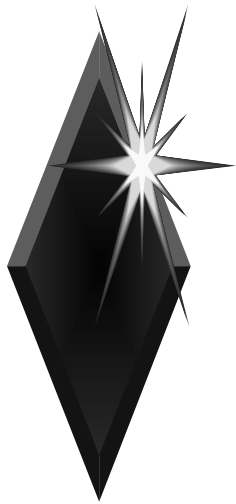
"http://pdms03.ksc.nasa.gov:1381/GETSEARCHFULL?field=document_number&text=L05051"

◆ **FETCH** command: downloads the word, excel, powerpoint, postscript, or pdf format of the document, generation/revision and extension requested

"http://pdms03.ksc.nasa.gov:1383/FetchElem?ename=SPPE-10&gen=2&dt=doc"

◆ **ShowElemFull** command: displays the Document Management Attribute screen of document requested.

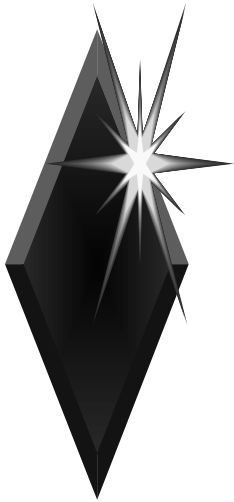
"http://pdms03.ksc.nasa.gov:1383/ShowElemFull?ename=SPPE-10&dt=doc"



When to use Windows Tech Doc Gui Application (document library)

- ◆ Document Creation
 - ◆ Storing document in Tech Doc
 - ◆ Creating lists (access, distribution, notification, review team and path)
 - ◆ Modifying list, deleting & associating a list
- ◆ Document Modification
 - ◆ Reserving document from Tech Doc
 - ◆ Replacing Modified document in Tech Doc
- ◆ Document Review
 - ◆ Placing document into review
 - ◆ Modifying Review Process
- ◆ Evaluate Document as Substitute
- ◆ Document Release
- ◆ Document Status
 - ◆ Show document status
 - ◆ Show document history
 - ◆ Show documents in Review
- ◆ Printing a Released Document
 - ◆ Easier process then Web interface

NOTE: Detailed information on the above information can be found in the
PDMS Technical Documentation User's Guide KSC-PDMS-TD-930021



Setting up Email Address

MOSAIC

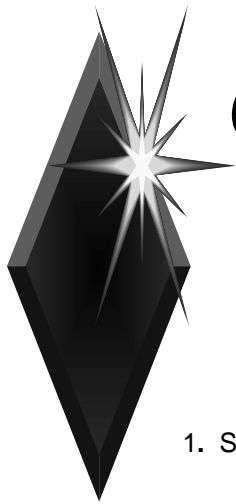
1. Select **OPTIONS, Preferences**. Click on **Services** the following screen will be displayed:

The screenshot shows the 'NCSA Mosaic for Windows Preferences' dialog box with the 'Services' tab selected. The dialog has a title bar and a menu bar with options: Anchors, Audio, Cache, Directories, Document, Fonts, News, Printing, and Proxy. Below the menu bar are four sub-tabs: Services, Tables, Viewers, and Window. The 'Services' sub-tab is active and contains several configuration sections:

- Mail:** Includes text boxes for 'Name' (Carolyn Paquette), 'E-mail Address' (carolyn.paquette-1@kmail.ksc.nasa.gov), and 'SMTP Server' (titan03.ksc.nasa.gov).
- FTP:** Includes three checkboxes: 'Use Extended FTP' (unchecked), 'External FTP Messages' (unchecked), and 'Inline FTP Messages' (unchecked).
- tn3270:** Includes a text box for the path 'c:\internet\tn3270\qws3' and a 'Browse' button.
- Telnet:** Includes a text box for the path 'c:\internet\ewan\ewan.exe' and a 'Browse' button. Below this are two radio buttons: 'Host:port' (selected) and 'Host port' (unselected).
- Network:** Includes a 'Timeout' text box with the value '60'.
- TCP/IP CCI Server:** Includes an 'Enabled' checkbox (unchecked), a 'Port' text box with the value '2112', and a 'Chat Alias' text box with the value 'anyone'.

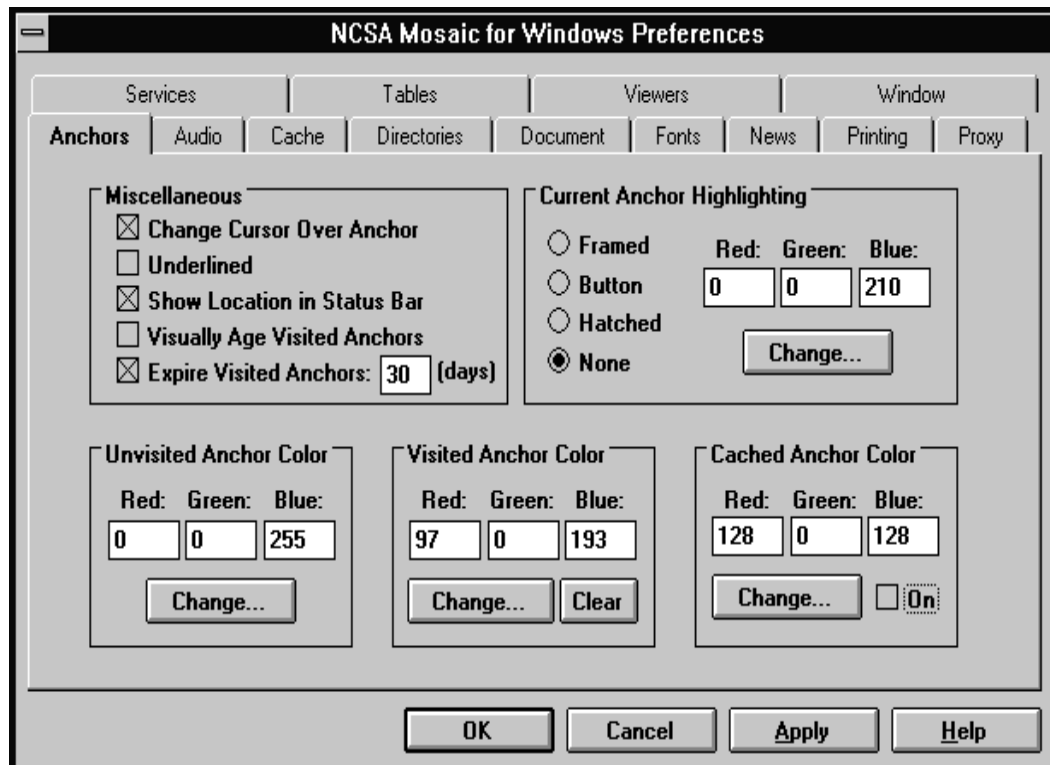
At the bottom of the dialog are four buttons: 'OK', 'Cancel', 'Apply', and 'Help'.

2. Name - Enter your name
3. E-mail Address - Enter your e-mail address(for example, john.doe-1@kmail.ksc.nasa.gov)
4. Click on [OK]



Changing Text Colors in Mosaic

1. Select **OPTIONS, Preferences**. Click on **Anchors** the following screen will be displayed:



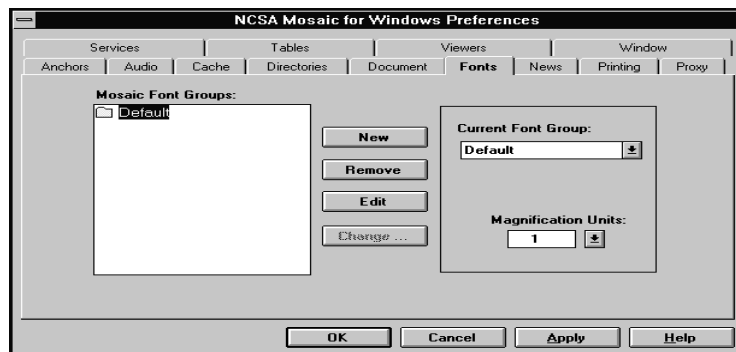
2. **Unvisited Anchor Color** - displays the red, blue, green color value for **anchor** that you have not visited. Change -- opens a color palette where you can select a new color for **unvisited** anchor click on OK and OK again to close Preference screen.
3. **Visited Anchor Color** - displays the red, blue, green color value for **anchors** that you have visited. Change -- opens a color palette where you can select a new color for **visited** anchor click on OK and OK again to close Preference screen.



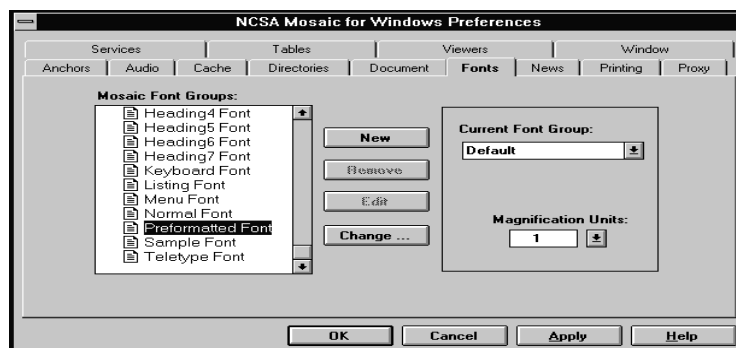
Changing Preformatted Text Color

Instructions for changing the PINK text you may encounter on the Web

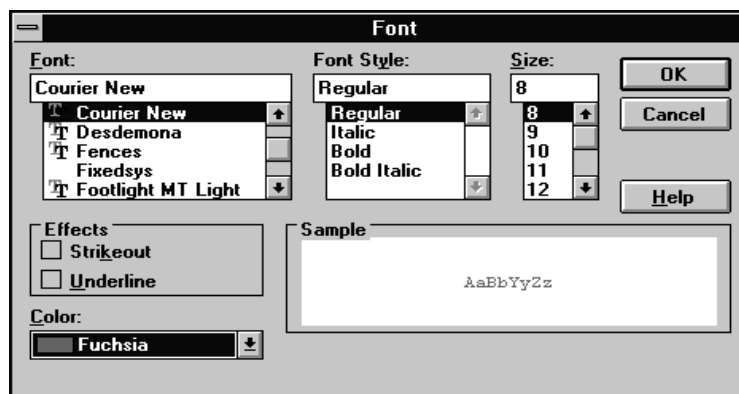
1. Select **OPTIONS, Preference**. Select **FONTs**. The following screen is displayed: double click on **DEFAULT**



2. Scroll to **Preformatted Text**. Click on **Change**.



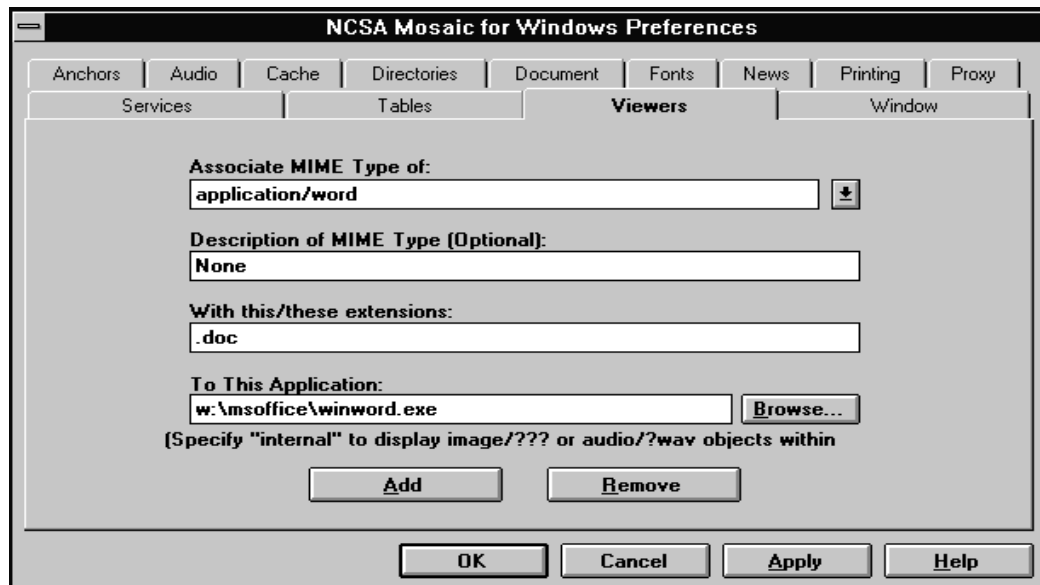
3. The following screen is displayed: select **acolor** in the color box and click on **OK** to close this screen and then **OK** to close Preference screen.





Setup / change Mime types

1. Select **OPTIONS, Preferences**. When the Preference screen appears select **VIEWERS** and the following screen will be displayed. The following steps are for setting up Word Mime type:



2. Associate Mime type of: enter **application/word**
3. Description of MIME type (**optional**):
(you can enter a description of the mime type displayed in the above field)
4. With this/these extensions: enter **doc**
5. To this application: enter **w:\msoffice\winword.exe**
or where ever your latest version of word is located.
6. Click on **Add** and then **OK**



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